

DWC 283
(1 BOTTLE)

JUNE 17, 1959
COLL. DTM

MAINE, SOMERSET CO., KENNEBEC R. DR,
OUTLET OF EAST POND IN TOWN
OF SMITHFIELD - UNDER BRIDGE
NEAR SUNSET CAMP - ON
~~left~~ SIDE - DOWNSTREAM

ROCKS SET IN MUDD,

1 MAN HAND COLLECTING 11:45-12:50
CALM H₂O 6"-14" of H₂O

A 52° W 56°

CLOUDY & INTERMITTENT SHOWERS,

No brachioabellids

O. virili 1♂ I
2♂ II 175895 4
1♀

O. limatus 3♂ II 175896 4
1♀

DWC 284

(1 BOTTLE)

JUNE 17, 1959

COLL. DTM

MAINE, ~~SOMERSET CO.~~ KENNEBEC R. DR.
EAST RD. IN TOWN OF ~~Smithfield~~
AT ALOEN'S CAMPS - RT. 137
OAKLAND
COVERED 400 yds of SHORELINE
MOST WERE TAKEN AT LAST
CAMP TO RIGHT AS COME
DOWN ROAD.

BOTTOM - ROCKY & MUDDY.

MAN HAND COLLECTING 9:30-11:00

FLOW - ROUGH 4"-16" OF HGT

A 52° W 59°

WINDY - INTERMITTENT CLOUDY &
WIND FROM NORTH SHOWERS

No branchiobdellids

O. immunis 1♀ 175897

O. limosus 1♂ II

3♂ II or imm.

175898

5♂ I imm.

1♀ (imm.?)

2♀ I imm.

+

13

DWC 285

Coll. Kenneth Wicht Jr.

Two colls. from Mass. mixed by collector.

1. Dog Pond, Middlesex Co., Natick. Oct. 16, 1957 (4 specimens).
2. Lake Whalom, Worcester Co., Leominster. Oct. 1957

O. immunis 3♂♂ I (one is 21mm. carapace L.)
175664 ~~7♀~~ mm.

3

O. limosus 4♂♂ I
175665

4

O. virilis 5♂♂ I (one is 23mm. carapace L.)
5♂♂ mm.

175666 2♀ } 7♀
4♀(imm.?)
11♀ mm. 11♀

28

35

DWC 286

Oct. 15, 1957

Coll. Kenneth Wicha Jr.

Mass., Franklin Co., Lake Mattawa in town
of Orange.

O. immunis

2 ♂^T

1 ♂ II or imm.

7 ♂^T imm.

3 ♀^T

1 ♀ (imm.?)

9 ♀ imm.

175⁶6⁷

(23)

DWC 287

Oct. 17, 1957

Coll. Kenneth Weller Jr.

Mass., Worcester Co., Sutton Pond rearing system in
Town of Sutton.

O. virilis

2♂ I

2♂, mm. (small)

175668

1♀

1♀ (1mm.?)

2♀, mm. (small)

8

DNC 288

Oct. 23, 1957

Coll. Kenneth Wlich Jr.

Mass., Essex Co., Merrill Pond rearing system
in N. Andover.

O. virilis 287I

297

176131

(4)

DNC 289

Oct. 28, 1957

Coll. Kenneth Wch Jr.

Mass., Essex Co., Lake Saltonstall in Haverhill.

O. immunis

1 ♂ I

2 ♀ imm.

2 ♀ imm.

1 ♀ with eggs (Carapace length 20.6 mm.)

"eggs appeared sometime between the date of collection (10/28/57), and the date of preservation (11/18/57)."

176132

6

DWC 290
June 25, 1959
Coll. DWC & D. Matthew

Maine, Penobscot Co., Kennebec R. dr., Echo Lake
(formerly Puffer Pond) 1 mi. SE of Dexter on rt. 94

at outlet, WT 70, AT 72, water clear, bottom
sand + boulders, some light silt. Sky partly cloudy
Hand coll. in up to 3' water with haze.

O. IMMUNIS 1♂ II
 3♀

June 1959

no branchiobdellids

175889

4

5

DWC 291

June 25, 1959

Coll. DWC & D. Mathieu

Maine, Penobscot Co., Kennebec R. de.,
L. Wassookeag at Dexter water works stn. #2
on both sides of causeway (rt #23).

Bottom with lg. & med. rocks in gravel + soft muck;
WT 65, AT 68, sky partly cloudy with haze.
Hand coll. in up to 2' of water.

O. virilis 2 ♂ I (one 15 28.8 mm. carapace l.)

5 ♀ II

3 ♂ 1 mm.

1 ♀ with ^{1♀} young (49.2 mm. carapace l. -
approx., esophagus broken)

3 ♀

June
1959

195900

No branchiobdellids

(14)

DWC 292
Apr 1/24, 1952
Coll. Giguere + Warren

N.H., Grafton Co., Conn. R. d., Enfield Reservoir.
(Canada)

O. niger 2881

1 ♂ imm.

1 ♀ with eggs (large)

date June 1954

175753

4

47

DWC 293
Aug 21, 1958
Coll. Bill Jerome

N.H., Merrimack

Co., Merrimack R. dr.,

Jenness Pond in Pittsfield.

O. immunis

1 ♂ I

1 ♂ II

July June 1959

175154

(2)

DWC 294

Aug. 25, 1958

Coll. Arthur D. Riel

N.H., Strafford Co.,
de.,
Merrymeeting L. at New Durham.

O. viridis? 331 (large) Duck June 1959

[clavae & rostra OK, areola wide;
stylets with central proj. shorter - more
curved than typical - approaching immunis.]
195955

(3)

DWC 295

2nd, 3rd + 4th wks. in Aug. 1958
Coll. Robt. E. L. Strader Jr.

Mich.,

Co., L. Michigan.

Mc Gulpins Point, Mackinaw City

O. nivalis

6 ♂♂ II, largest = 30 mm. carapace L.

2 ♂♂ II or 1 mm.

17 ♀♀ I mm. 16 under 15 mm.

2 ♀♀, larger = 27 mm.

3 ♀♀ (1 mm?)

14 ♀♀ 1 mm., 11 under 12 mm.

" " "

Descended Oct. 2, 1971
(noted & dried)

O. p. propinquus

4 ♂♂ I

1 ♂ II or 1 mm. 195947

10 ♀♀

155

DWC 296
JUNE 26, 1959
COLL. DTM

MAINE, SOMERSET CO., KENNEBEC R. DR.
NORTH POND IN TOWN OF SMITHFIELD
at northwestern end of rd. leave
highway & take dirt road which
goes around northern & western
shore of North Pd. - after inlet take
1st rt (after bridge) Turn off road
& go big island.

BOTTOM OF SCATTERED ROCKS
SET IN MUD. MANY LEAVES ON
BOTTOM.

MAN HAND COLLECTING 10:30-11:45 AM.
ROUGH H₂O FROM SOUTH, WINDY.

10"-16" OF H₂O

A 56° w 65°

CLOUDY & SHOWERS

July 8, 1959

O. limosus - 12 175901

O. rusticus - 200? II 175902

DWC 297
March 10, 1956
Coll. R.K. Chapman

La., Orleans Co., L. Pont. dr.; L. Pontchartrain
at Gentilly Hwy., 4½ mi. W. of Industrial Canal.

175926

P. clarkii

29j ♂ , 2 ♀ 31j ♀

(62)

DWC 298
March 19, 1956
Coll. RK & GA Chipman

La., Jefferson Co., L. Pont. dr.; L. Pontchartrain
at Kenner.

175948 *P. clarkii* 3♂ II 2♂ ♂

(5)

DWC 299

Oct. 20, 1956

Coll. R.K. Chipman &
R.J. Miller

La., St. Charles Co., L. Pont. du.; W. end of
L. Pontchartrain at Frenier Beach.

175949 *P. clarkii* 2♂, 1♀

(3)

DWC 300
July 14-3, 1958
Coll. Gustave Todrank

Indiana, Co., Dr.,
Rock Creek in Dubois City, 7 mi. W. of Huntingburg.

175950	<i>C. diogenes</i>	4♂ 1♀	5
175951	<i>O. immunis</i>	2♂ I 2♂ II 7♂, 2♀ 11♀	24

DWC 301
Date ?
Coll ?

Arkansas,
Co., dr.,
Mena.

Purchased from Quivira Specialties Co., 4204
W. 21st St., Topeka, Kans.

Sold as O. palmeri

Retained by Will Crocker

DNC 302

Date?

Coll.?

Missouri,
Marvel Cave. Co., do.

Purchased from Qorivra Speciees Co.,
4204 W. 21st St., Topeka, Kans.

Sold as C. pellucidus.

Retained by All cracked

DWC 303

July 17, 1959

Coll. by D. Mathieu

2 bottles (#5)

Combined

in one

SOMERSET
Maine, Kennebec Co. Kennebec R. dr.,

North pd. in town of Smithfield At Sunset
camps which is at the eastern end of North
Pd.

Rocks of good size set in a muddy bottom,

Mud caused a slight turbidity in the HOH.

One man hand collecting from 9:30 to 11:00 am

Flow - calm 6" to 24" of HOH.

A74 W 77 Clear day

Moss, algae, rubbish, clams and an occasional
dead fish were present.

O. virilis 1♂ I (large) no branchiobdellids

9♂ II

Ident. 1♂ I M.M.
Aug. 1959 14♀

175906

25

DWC 304
July 20, 1959
Coll. by A. Mathieu
(#6)

Maine, Kennebec Co., Kennebec R. dr.

China Lake in town of China. At the northern end where the bridge separates the marshy area from the lake.

Rocky with sand bottom and some clams in sight.

One man hand coll. from 9:30 to 11:00am

Flow calm 5" to 24" of water.

A 75 W 70 Fair day with some high clouds.

***** + *****

<u>O. limosus</u>	1 ♂ II	no branchiobdellids
Ident. Aug 1959	1 ♂ II or imm. 2 ♀	175903

DWC 305
July 20, 1959
Coll. by D. Mathieu
(#7)

Maine, Somerset Co. Kennebec R. dr.

3 mi. N. of
East pd. ~~in~~ town of Oakland. At Davy's camps
on east side of the pd. (off N. 137)

Large rocks with sandy bottom.

one man handcoll. from 3:30 to 5:45 pm

Flow calm 10" to 20" of water.

A 80 W71 Clear with heavy clouds setting in.

O. limosus 2♂ II

3♂ II or imm.

no brachiobdellids

Ident.

Aug. 1959

1♂ imm.

4♀ (imm.?)

175904

10

DWC 306
July 22, 1959
Coll. by D. Mathieu
(#8)

Maine, Kennebec Co., Kennebec R. dr.

Maranacook L. in town of Winthrop at southern
end of L. near railroad tracksoff Rt. 133.

Rocky bottom with hard clay - some clams in
area.

One man hand coll. from 5:30 to 6:15 pm.

Flow calm 4" to 10" of water.

A 70 W 80 Clear day.

O. limosus 1 ♂ I no branchiobrillids

2 ♀ II

2 ♀ II or III.

6 ♂ I mm.

4 ♀

4 ♀ I mm.

175905

Ident.

Aug. 1959

19

a7

DWC 307
July 22, 1959
Coll. by D. Mathieu #9

Maine, Kennebec Co. Androscoggin R. dr.

Pocasset L. in town of Wayne. At southwestern end in town of Wayne above dam off Rt. 133.

Large rocks - very muddy, much algae and plant growth.

One man hand coll. from 6:45 to 7:15 pm

Flow calm 4" to 12" of HOH.

A 74 w 80 Clear day

O. limosus 2♂ II (1 soft) no branchobellids
195907 2♂ II or imm.
2♂ imm.
4♀ imm. Ident. Aug. 1959

O. immunis 1♂ II or imm.

195908

(11)

DWC 308
JULY 22, 1959
Coll. by D. Mathieu #10

Maine, Kennebec Co., Androscoggin R. dr.

Pocasset L. outlet below dam in town of Wayne
off Rt. 133.

Gravel with many rocks

One man hand coll. from 7:15 to 8:10 pm

Flow fast 6" to 10" of H.O.H.

A 74 W80 Clear day

O. limosus 1♂ II no branchiobdellides
1♀
Ident. Aug 1959

175909

(2)

DWC 309
July 28, 1959
Coll. by D. Mathieu #11

Maine, Kennebec Co., Kennebec R. dr.
^{2 mi. SE of}
Lower Narrows pd., ~~in~~ town of Winthrop
At northern end of pd. where road
separates upper Narrows from the Lower
Narrows.

Some rocks in a muddy bottom with some algae
One man hand coll. from 9:30 to 10:45 am
Flow calm 6" to 15" of water.
A 79 W 80 Clear day .

*****P*****

O. limosus 1♂ I (aberrant rt. stylet)
7♂ II
6♀ (several near lower size limit)
no branchiostellids
Ident. Aug. 1959

175910

(14)

DWC 310
July 28, 1959
Coll. by D. Mathieu #12

Maine, Kennebec Co. Androscoggin R. dr.

Flying

Rocks Pd. in town of Vienna. at boat landing
off road from Mt. Vernon to Vienna. Off Rt. 41.

Rocks, mud and gravel. some algae and weeds

One man hand Coll. from 1:15 to 2: 25.

Flow calm 6" to 24" of HOH.

A 82 w 84 Clear day.

O. rusticus 1 ♂ I (28.2 mm.)

175911

3 ♂ II (largest = 41.7 mm.)

4 ♂ II or imm.

4 ♀

(Using 20 mm. criterion for maturity)

I dent. Aug. 1959

No brachiodelids; 1 amphipod with curious projections
behind head.

12

DWC 311
August 1, 1959
Coll. by D. Mathieu #13

Maine, Franklin Co. Androscoggin R. dr.

Rangeley L. in Rangeley. At Public landing
behind the Chamber of Commerce.

Rocks set in mud. causing the HOH to appear
turbid. Wind from North.

One man hand coll. from 9 to 10:25 am
Flow Rough. Clear day.

A 70 W 76 6° to 24° of HOH.

O. immunis 1♂ II no branchiobdellids
175912 1♀ (25.0 mm.) Ident. Aug. 1959

2

DWC 3/2

August 1, 1959

Coll. by D. Mathieu

#14

Maine, Franklin Co. Androscoggin R. dr.

2 mi. N. of
Dodge pd. ~~out~~ outside Rangeley on rt. 4
near cement bridge.

Rocks set in sand. some algae etc around.

One man hand coll. from 11 to 12 am

Flow calm 4 to 18" of HOH.

A 72 W 77 Clear day.

O. immunis 1♂ II no branchiobdellids
175913 2♀ Ident. Aug. 1959
1♀ imm. 1♀ imm.

DWC 3/3
Aug. 3, 1959
Coll. by D. Mathieu #15

Maine, Kennebec Co., Kennebec R. dr.

, Great Pd. in town of Belgrade Lakes

At Colby's Adult Education camp.

Rocky with much sand.

One man hand coll. from 9:30 to 10:40 am

Flow c alm 6" to 28' of HOH

A 64 W 73 Clear day.

O. rusticus 8 ♂ I (one soft; smallest 29.8 mm.)

2 ♂ II

17591 4 3 ♂ I mm. Ident. Aug. 1959

4 ♀

Branchiobdellida present & saved

(17)

DWC 314
August 5, 1959
Coll. by D. Mathieu
#16

Maine, Waldo Co. Kennebec R. dr.

Lake Winnecook in town of Unity

At Windemere dance hall Which is
^{1 mi. N of}
off Rt. 202 outside Unity

Rocky and very muddy

One man hand coll. from 9:45 to 11 am

Flow moderate 7 to 18" of H.O.H.

A 62 W 74 Cloudy day

***** * - ***** *

O. limosus 2♂ II no branchlets
1♂ II or imm. Ident. Aug. 1959
1♂ imm.
4♀
1♀ imm.

175915

(9)

10

DWC 315

August 5, 1959

Coll. by D. Mathieu #17

Maine, Kennebec Co. Kennebec R. dr.

Messalonskee Stream at Rices Rips

below bridge. off rt. 23, 3 mi. N. of Oakland

Rocky and some mud and algae.

One man hand coll. from 2 to 2:45pm

Flow calm 4 to 12" of HOH

A 66 W 77 Cloudy day.

O. limosus 1 ♂ II (soft, 28.6 mm.)

1 ♀

Ident. Aug. 1959

176024

2 ♀ imm.

no branchiobellids

(4)

DWC 316

August 6, 1959

Coll. DTM & J. Couture

#18

Maine, Franklin Co. Kennebec R. dr.

Wilson Pd. in town of Wilton at eastern

end of lake behind Ye Braelock camp

To right of town bridge off Rt. 2.

Rocky and sandy . Some plant life
such as Bladd er plant.

2 persons hand coll. from 7:30 to 8 am.

Flow calm 2 to 8" of H.O.H

A 62 W 72 Cloudy skies.

O. limosus 1♂ I no branchiobdellids
176025 2♂ II
3♂ II or imm. Ident. Aug. 1959
2♂ imm.
2♀
1♀ imm.

11

19

DWC 317

August 6, 1959

Coll. by D. Mathieu & J. Couture

#19

Maine, Franklin Co., Androsooggin R. dr.

Hills Rd. in Perkins Plantation. 1 1/2' N OF WASHINGTON
PLANTATION
400 feet after Morses store off Rt 156 ^{1.4 MILES SOUTH OF} before Weld.

at the local picnic area.

Muddy bottom with a lot of leaves and some rocks.

2 persons hand coll. from 8:30 to 9 am

Flow calm 6 to 18" of H.O.H.

A 60 W 71 Cloudy Day.

O. immunis 3 sp no branchobdellids
Ident. Aug. 1959 1 sp imm.

17600

(4)

DWC# 318

August 6, 1959

Coll. by D. Mathieu & J. Couture

2 bottles. #20

Maine, Franklin Co. Androscoggin R. dr.

Lake Webb in town of Weld. At state park at S. end
of lake

Rocky with a sand bottom.

2 persons hand coll. from 10 to 11:30 am

Flow calm 4 to 18" of HOH.

A 65 W 74 Clear day.

O. obscurus (20 mm. criterion of maturity)

23 ♂♂ I (largest 32.5 mm., smallest
7 ♂♂ imm. 23.5 mm.)

131 ♀♀ (largest = 40.0 mm., has eggs (insect?)
on an external gill, another gill
a mere stub; 4 ♀♀ with sperm
plugs, smallest 24.0 mm.)
7 ♀♀ imm.

176026

61

DWC 319
August 6, 1959
Coll. by D. Mathieu & J. Couture
#21

Maine, Oxford Co. Androscoggin R.
~~W. shore of Bryant Pnd.~~
~~Bryant Pd., in town of West Paris at the~~
Conservation camp. In cove under beats
and rocks.

Rocks and muddy.

2 persons hand coll. from 2 to 2:45 pm

Flow Rough 3 to 18" of HOH.

A 65 W 70 Light shower at time and
windy - coming from north.

O. limosus 2 ♂ I (smaller = 24.9 mm.)

1 ♂ II

3 ♂ II or 1 mm.

4 ♂ I mm.

1 ♀

4 ♀ I mm.

no branched filaments

Ident. Aug. 1959

17027

(15)

DWC 320
August 6, 1959 ure
Coll. by D. Mathieu-J. Cout
#22

Maine, Oxford Co. Androsooggim R. dr.

1/2 M.S. #

South pd., ~~in town~~ of Locke Mills.

Take road off Rt. 26 at Greenwood lodge;
location is near bridge on both sides
of the road.

Rocky and gravel - HOH had a reddish color.

2 persons hand coll. from 3:15 to 3:45pm

Flow calm 3 to 18" of HOH.

A 65 W 72 Cloudy and a brief shower.

176028	<u>O. immunis</u>	2♂ I	no branchiobdellids
176029	<u>O. limosus</u>	1♂ I 1♂ II 2♂ imm. 1♀ (imm.?)	Ident. Aug. 1959

(1)

DWC 321

August 6, 1959

Coll. by D. Mathieu & J. Couture

#23

Maine, Oxford Co. Androscoggin R. dr.

1/4 mi. S.

North Rd. in town of Locke Mills.

First bridge after Greenwood lodge on rt. 26
next to picnic area.

Rocks set in mud with much algae and
plant growth.

Two persons hand coll. from 3:50 to 4:10pm

Flow moderate 4 to 10" of HOH.

A 65 W 72 Cloudy and a brief shower.

***** * *****

1760³⁰ O. immunis 1♀ imm. no branchiobdellids

1760³¹ O. limosus 1♂ imm. Ident. Aug. 1959

(2)

DWC 322

August 6, 1959

Coll. by D. Mathieu & J. Couture

#24

Maine, Oxford Co. Androsooggin R. dr.

town of

Richardson L. in ^A South Arm on Rt. 5

along east shore.

Rocky with mud and gravel a lot of drift wood.

2 persons hand coll. from 5:30 to 6:45pm

Flow calm 2 to 28" of water.

A 63 W 68 cloudy with some sun.

O. virilis ♂ I (soft + large) no branchiostellids
175916 ♀ imm.

O. immunis ♂ II Ident. Aug. 1959
175917 ♂ imm.

(4)

DWC 323
August 6, 1959
Coll. by D. Mathieu & J. Couturier
#25

Maine, Franklin Co. Androscoggin R. dr.

^{2 mi. W.}
L. Webb, ~~in town~~ of Weld at northern end of lake.
off road to state park.

Sandy bottom near some weeds.

2 persons hand coll. from 9:30 to 9:40 am

Flow calm 6" of HOH.

A 64 W 74 Clear and sunny.

O. obscurus 1♀ no branchiobdellids

Ident. Aug. 1959 175952

DWC 324
Aug 8, 1959
Coll. by J. Couture
(3TM #26)

Maine, Somerset Co. Kennebec R. dr.

North pd. at the northern end of the
pd. opp. the island.

Rocks with some mud. cloudy day.

Flow moderate

1 person hand coll. in the afternoon.

O. virilis 4♂ imm. (small) no branchiobdellids
176032 3♀ 8
 1♀ imm. Ident. Aug. 1959

O. limosus 1♂ II
176033 2♂ imm.
 1♀ (imm.?) 6
 2♀ imm.

14

DWC 325
August 8, 1959
Coll. by J. Couture
(DTM #27)

Maine, Kennebec Co. Kennebec R. dr.

Great pd. at Crystal Springs camps [run
by Lee Williams] at northern end of pd.

rocks.

one person hand coll. in the afternoon

Flow moderate.

cloudy skies.

O. rusticus 5♂ I (1 soft; Smallest 27.6 mm.)
Ident. Aug. 1959 2♂ II
8♀ Branchiobdellida saved

Branchiobdellida saved

175918

15

14

DWC 326

Aug 13, 1959

Coll. by D. Mathieu & J. Couture

#28

Maine, Hancock Co. Drains into stream

which goes to ocean.

Graham L. off R.t. 179 ^{5 mi. N. of Ellsworth} in front of a registered guide's home. southeastern part of lake. First crayfish seen 4 years ago.

Very muddy and a few rocks alot of drift wood and cans. some weeds and algae.

2 persons hand coll. from 7:30 to 8:30 pm.

Flow calm 4 to 10⁴ of HOH.

approximate A 73 W 70 Clear day.

O. immunis 4 ♂'s imm. no branchiostellids

Ident. Aug. 1959 3 ♀'s
176034 1♀ (imm.?)

87

DWC 327

Aug 13, 1959

received by DTM from Guide.

#29

MAINE, Hancock Co. Drains into stream which goes into ocean.

Graham L. off Rt. 179 at the guide's camp.

2 crayfish caught by guide on previous day.

Taken out of bottle 4 days later, one day after they died. Seen mating in bottle.

O. immunis ♂ I 176035
Ident. Aug. 1959 ♀

DWC 328

August 15, 1959

Coll. by D. Mathieu #30

Maine, Kennebec Co. Androscoggin R. dr.

*1 1/2 mi. E. of
Pooasset L., outside Wayne. Take first right
and proceed down northern side of lake.
located at Cyril Codere's camp.*

Rocky with some mud and weeds.

one person hand coll. from 4 to 5: 15pm

Flow calm 6 to 10" of H.O.H.

Approximate A 85 w 75 symny and humid

O. immunis 2♂ I (1 has rt. stylet form II)
1♂ II

Ident. Aug. 1959 1♂ imm. no branchiobdellids
176036 3♀
3♀ imm.

10

DWC 329
August 15, 1959
Coll. by D. Mathieu #31

Maine, Kennebec Co. Androscoggin R. dr.

Androscoggin L. - take first left after bridge
in town of Wayne. and bear right until
come to the lodge.

Rocks with some mud. Weeds and algae.

One person hand coll. from 6:30 to 7:30pm

Flow calm 5 to 9" of HOH.

Approximate A 78 W 74 Clear day

O. immunis 4♂ 8♀ imm. Ident. Aug. 1959
175954 2 3♀
2♀ imm. no branchiobdellids

O. limosus 2♂ 3♀ imm.
175953 2♀ imm.

August 17, 1959

Coll. by D. Mathieu F32

Maine, Somerset Co. Penobscot R. dr.

3 mi. E.

Pleasant pd., ~~in town~~ of Caratunk. Off

Rt. 201 take Right at Caratunk.

West Side camps on western side of lake at
boat landing.

rocks set in sand, very clear HOH.

One person hand coll. from 9:45 to 11:15am.

Flow calm 4 to 28" of HOH.

Approximate A 75 W 65 clear day.

O. limosus 5 ♂♂ II (not much over 23 mm.)

176037 2 ♂♂ I mm.

6 ♀♀ (1 very soft; 1 with masculinized

rt. 1st. pleopods)

Ident. Aug. 1959 no branchiobdellids

DWC 331

August 18, 1959

Coll. by D. Mathieu J. Couture

#33

Maine, Pisoataquis Co. Penobscot R. dr.

Sebec L. 5 miles outside Dover Foxcroft
on Rt. 153 at Greeleys Landing.

N of

Town of

Rocky and sandy.

Two persons Hand Coll. from 7:25 to 7:45am.

Flow calm 5 to 8" of HOH.

Approximate A 70 W 70 Cloudy with sun

Salamander seen.

O. limosus 3♂ II (2 very soft)

3♀ (imm.?)

Ident. Aug. 1959 1♀ imm. no branchiostellids

176038

⑦

17

DNC 332

August 18, 1959

Coll. by D. Mathieu & J. Couture

#34

Maine, Piscataquis Co. Kennebec R. dr.

Moosehead L. in town of Greenville at
Holt's Flying Service to the right.

Big rooks set in mud.

2 persons hand coll. from 9:30 to 10am.

Flow calm 12° of HOH.

Approximate A72 W 70 Cloudy and light rain.

*****+*****+*****+*****

O. virilis 299

Ident. Aug. 1959

no branchiostelids

176039

(2)

DWC 333

August 18, 1959

J.
Coll. by D. Mathieu-Couture

#35

Maine, Piscataquis Co. Kennebec R. dr.

Western outlet of Moosehead L. above dam on right.

off Rt. from Greenville to Rockwood (rt. 15)

Rocks set in mud, and some weeds.

2 persons hand coll. from 10:50 to 11:30 am.

Flow calm 8 to 15" of HOH.

Approximate A74 W 70 sunny with high clouds.

O. immunis 1♂ I no brachibdellids
1♂ imm.

Ident. Aug. 1959

175851

(2)

12A

DWC 334
Sept 8, 1959
Coll. by D. Mathieu
#36

Maine, Kennebec Co. Kennebec R. & r.
approx. 5 mi. SW
Pleasant Pd. ~~going south out of Gardiner~~
on rt. 201. At a private picnic area within
30 yards of the highway.

Rocks set in the sand with much algae
in the vicinity.

One man hand coll. from 7:45 to 9:15 a.m.

Flow calm 4 to 12" of HOH.

Hot and humid and clear skies.

Dim Oct '59

O. limosus 2⁶⁷ IT no brachiobdellids
2⁸⁸ mm.
2⁹²
3⁸⁸ (mm?) 175 863

(9)

125

Sept. 8, 1959

Coll. by D. Mathieu #37

Maine, Androscoggin Co. Androscoggin R. dr.

Sabattus Rd., 1.5 miles north of Sabattus, at
public beach also a picnic area. Located at
Lambert's store.

Rocks and some mud. A lot of algae
enough to close the area to swimming.

One man hand coll. from 10:15 to 11am
Flow calm 4 to 8' of HOH.

Sunny and humid with clear skies.

Dtm. Oct. 1959

O. limosus: 7 ♀ I (smallest, ^{campaea} 25.7 mm.)
2 ♂ II or imm. (29.8 + 21.5)
2 ♂ imm.
7 ♀
2 ♀ (imm.?), (22.5 + 21.2)
5 ♂ imm.

175858

no brachioabdomellids

(25)

126

DWC 336

Sept. 9, 1959

Coll. by D. Mathieu #38

Maine, Kennebec Co. Kennebec R. dr.

E. side of Cobbosseecontee Lake Take first left

after light in Manchester. Proceed

down east side of lake until the outlet is reached
at southern end.

Rocks, mud and weeds and wood.

One man hand coll. from 8 to 8:35am

Flow calm 6 to 15' of H.O.H.

Clear with slight breeze.

O. limosus D.T.M. Sept. 1959 Oct.

4♂ I

1♀ (imm?)

no branchiobellids

175859

(5)

DWC 337

Sept. 9, 1959

Coll by D. Mathieu #39

Maine, Kennebec Co. Kennebec R. dr. S. end of Lower
Tacoona L. 300 yds before town of ~~Tacoona~~
connection of Upper & Lower Lakes,
2 mi. E. of S. Monmouth.
(at camp Lintonia on rt. 126 on way to Lewiston)

Gravel and sand.

One person hand coll. from 9 to 925am

Flow calm 5° of HOH.

Clear day.

Item. Oct. 1959

no Branchiobdellida

O. limosus 1♂ I (21.6 mm. carapace)
3♂ 2♀ imm.
4♀ imm.

1758¹⁰⁰

(8)

29

DWC 338

Sept. 9, 1959

Coll. by D. Mathieu #40

Maine, Kennebec Co. Androscoggin R. dr.

CROCHED PO, just
~~Private~~ pd. in town of Fayette, above dam.

Mud rocks and algae.

One man hand coll. from 12 to 12:20am

Flow calm 3" of HOH.

Clear day.

Item. Oct. 1959

no brachiodellids

O. virilis 292 (inum?)

195961

(2)

179

Sept. 9, 1959

Coll. by D. Mathieu

#41

Maine, Kennebec Co. Androscoggin R. dr., W. shore of W.
MI. NW of Fayette

arm of Echo lake, A Take Rt 17 out of Fayette — —

and go 1.7 miles north and take camp rd.

on the right and go to Tuttle's camp .75 miles East.

Caught ~~one~~ ³ small crayfish and took ~~it~~ from

Mr. Tuttle's bait trap.

Gravel, sand and leaves.

One person hand coll. from 12:45 to 1:15pm

Flow calm 8 to 18" of HOH.

Clear day.

Detrn. Oct. 1959

nodbranchiobdellids

O. immunitis, 237 mm

O. virilis, 237 I (large) 175862
18 II
19

(4)

130

DWC 340

Sept. 9, 1959

Coll. by D. Mathieu #42

Maine, Kennebec Co. Kennebec R. dr.

S. end Just above dam.

~~Catlet~~ of Torsey L. on rt. 17 between

Reedfield and Kentshill Hill.

Weeds mud and small rocks.

One man hand coll. from 1:50 to 2:10 pm.

Flow calm 8" of HOH.

Clear day.

Detm. Oct. 1959

no branchiobdellids

O. immunis, 263 mm.

175864

(2)

DWC ~~200~~ 341

Sept. 9, 1959

Coll. by D. Mathieu #49

Maine, Kennebec Co. Androscoggin R. dr., outlet of
Lovejoy pd in town of N. Wayne, ^{just} below dam.

Rocks algae and mud.

One person hand coll. from 11:20 to 11:40am

Flow moderate 5" of HOH.

Clear day.

** *****

Strm. Oct. 1959 no branchiobdellids

O. Nitidus, ~~♂ I (large)~~
~~♂ II~~
~~♀~~

3 ♂ I (smallest 29.7 mm. Carapace)

1 ♂ II

10 ♂ I mm. (some near upper size limit or
slightly beyond)

2 ♀

5 ♀ (mm.?)

175865

DWC 342
Sept. 11, 1959
Coll. by D. Mathieu #44

Maine, Androscoggin Co. Androscoggin R. dr.

Tripp pd. 3.5 miles west of Mechanic Falls.

(on rt. 11 Cross Rt26 ~~over~~ and it is 1.5 miles

to the lake. Collected in front of the 'Lobster Land')

Gravel and sand

One person hand coll. from 8:15 to 8:45 am

Flow fast 4° of HOH

rain cold (50°)

Derm. Oct. 1959

Branchiobdellids saved

O. limosus, 3♂ I

1♂ II or imm.

3♂ I, imm.

2♀ 1♂

175866

(10)

O. immunis, 2♂ I

1♂ II or imm.

2♀

1♀ (imm.?)

175867

(16)

(16)

DWC 343

Sept. 11, 1959

Coll. by D. Mathieu #45

Maine, Oxford Co. Androscoggin R. dr.

Thompson L. in town of Oxford/at boat landing
and at the American Legion swimming area.

Rocks sand mud drift wood.

One person hand coll. from 9 9:15 to 9:30 am

Flow moderate 5° off HOH.

Cloudy cold windy and intermittent showers.

Detn. Oct. 1959

Branchiobdellids saved

O. linnaeus 2♂ I
195869 1♂ imm.
1♀ (with sperm plug, 24.5 mm. carapace)

(4)

O. linnaeus 5♂ I (smallest 23.0 mm. carapace)
195868 1♂ imm.

(6)

(10)

DWG 344

Sept. 11, 1959

Coll. by D. Mathieu

#46

Maine, Oxford Co., Androscoggin R. dr.

L. 1 mi. W
PENNESEE WASSEE in town of Norway. Take

Rt. 118 out of the town and go west for a mile;
200 yds before picnic area take a right
and go 100 yds - collected on both sides of the road.

Rocks, weeds, sand, and mud.

One person hand coll. from 10 to 10:50 am

Flow moderate 6 to 10" Of HOH.

Rain cold and windy.

Datem. Oct. 1959 Branchiobdellids saved

O. limosus, 2♂ I (one with 23.8 mm. carapace)
175870 4♂ imm.
3♀ imm. ⑨

O. limonius 1♂ I (22.0 mm.)
175871 1♂ II
1♀ imm. ⑩

⑪

⑫

DWC 345
Summer 1959
Coll. Andrew Sheldon

N.H., Hillsborough Co., Merrimack Co.,
Stevens Pond in Manchester

O. virilis

12 ♂ I

4 ♀ II

1 ♂ imm

2 ♀ imm

175919

O. immunis

1 ♂ I

175669
①

det. May 30,
1969

20

Steven's Pond Manchester Hillsborough Co., N.H.

Area 29 A.

Av. Depth 8.3 ft.

Max. depth 17 ft.

Water chemistry

Depth	pH	Oxygen	
0-8	6.8	8.8-9.0	ppm
17	6.0	1	ppm
			o

DWC 345

Summer 1959

Coll. Andrew Sheldon

Shore

Wooded 55% Swamp 40% Meadow 5%

Bottom

Gravel 10% Muck 90%

Two gravel shoals. Large amounts of woody material incorporated in the bottom.

Vegetation

Both emergent and submergent--scant

Plankton-- 3.8 cc./cu. meter

Forage fish --common

Fish--Shiners, chain pickerel, yellow perch, sunfish, striped pout and white suckers

This pond was stocked in 1953 with crayfish from an unkown source.

DWC 346
July 9, 1959
Coll. Andrew Sheldon

N.H., Belknap Co., Merrimack dr.,
Little River at Barnstead.

O. virilis det July 30, 1959
1♀ 175610

R. (Merrimack watershed)
Barnstead, Belknap Co., New Hampshire
July 9, 1959

DNC 346
July 9, 1959
Coll. Andrew Sheldon

Habitat:

Water temp.

58° F

pH 6.6

Air 68° F

water color

depth - clear to light ice

bottom - very shallow to 5 ft.

thin layer of silt in many spots.

Some dead sticks & leaves.
Banks undercut in some spots.

Associated fauna:

brown trout

common bullhead

golden shiner

blacknosed dace

Method of collection - electric shock

A student of Miss Odell Johnson, Colby NSF Inst.,
Summer 1959

1133 Cedar Street
Aldene, Texas
December 12, 1959

Dear Mr. Crocker, Crayfish: DUC 347

I am very sorry to be so late with my reply to your letter of September. I have, however, been extremely busy here. I will try to supply the information you requested about the crayfish from Zepar.

1. The collecting spot is about forty feet from the Ft. Phantom Hill Lake spillway road and about twenty feet from the spillway itself. It is about twenty-five yards from a side road leading north from the spillway road. It is west of this side road.
2. The date of collection was August 2, 1959.
3. The habitat was:
 - A. in all but stagnant water.
 - B. the bottom was soft and silty.
 - C. the pool often dries up in the hot summer months.
The unusually "cool" summer and welcome extra amount of moisture accounts for the water there at that time.

If this information is not sufficient & will be so.

DWC 347
Aug. 2, 1959
Coll. John Boyd

Texas, Taylor Co., Brazos River dr.

Pool near spillway of Fort Phantom Hill
Lake, about 12 mi. N. of Abilene.

175955 *P. gracilis* 3♂ I 3♂ II 3♀